



## DoD Global Influenza and Other Respiratory Viral Pathogens Week 44 (31 Oct – 6 Nov) Weekly Surveillance Report



### SUMMARY:

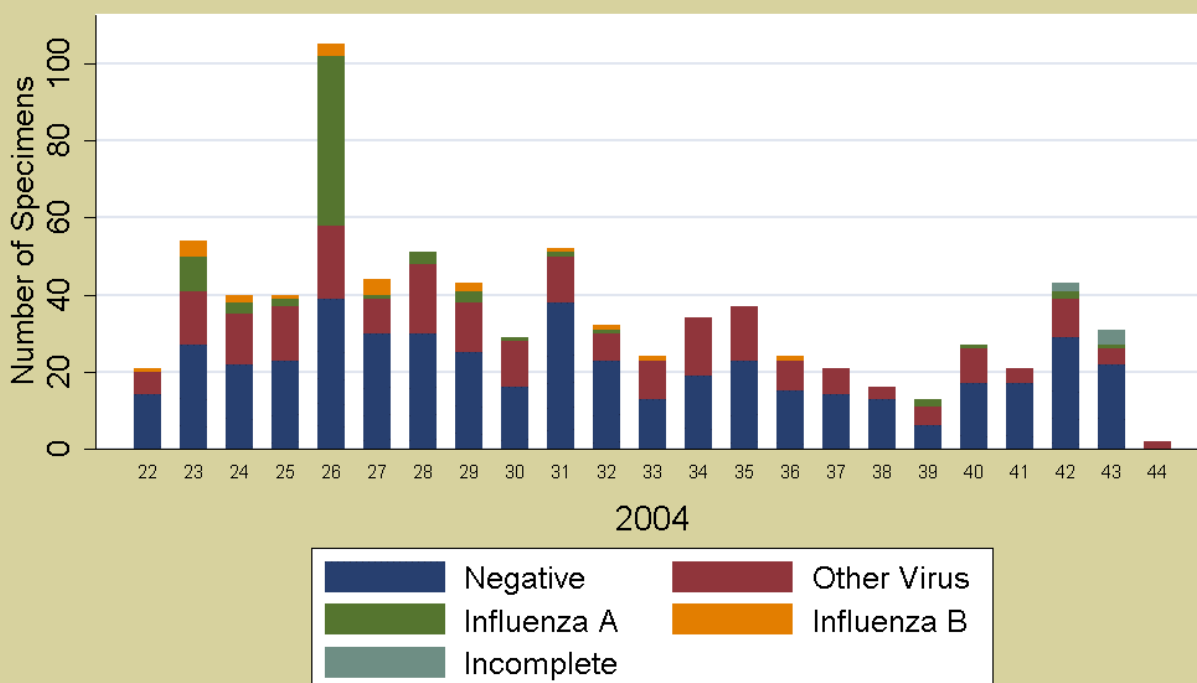
**Number of new isolates for Week 44: 0 Influenza A; 0 Influenza B**

Since **1 June 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 800 specimens as part of the influenza surveillance program. Of those specimens, 74 (9%) were positive for influenza A and 21 (3%) were positive for influenza B.

In addition, 8 specimens are still being processed.

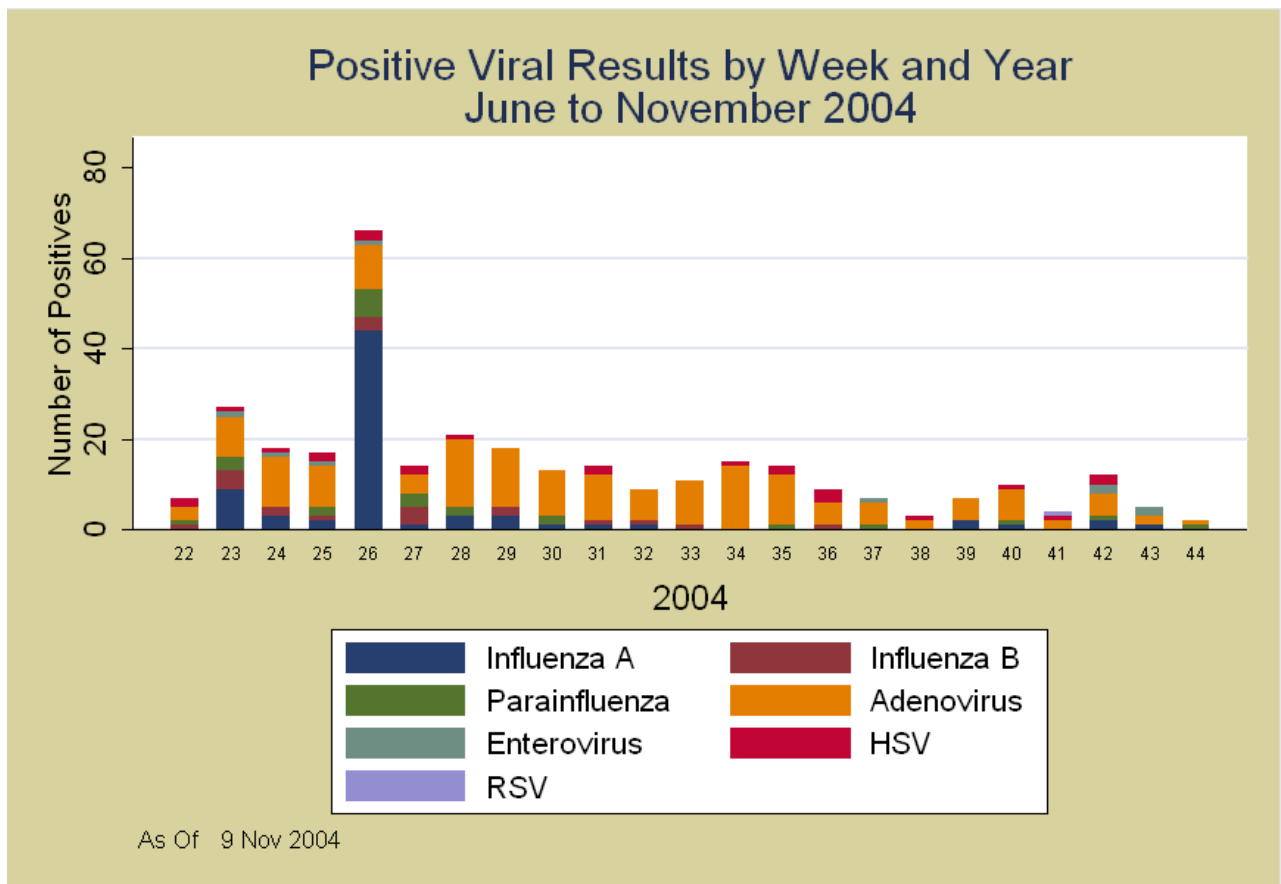
See the accompanying table in the “Additional Information” section for breakdown by demographics.

**Results of Specimens Received by Week and Year  
June to November 2004**



As Of 9 Nov 2004

## OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:



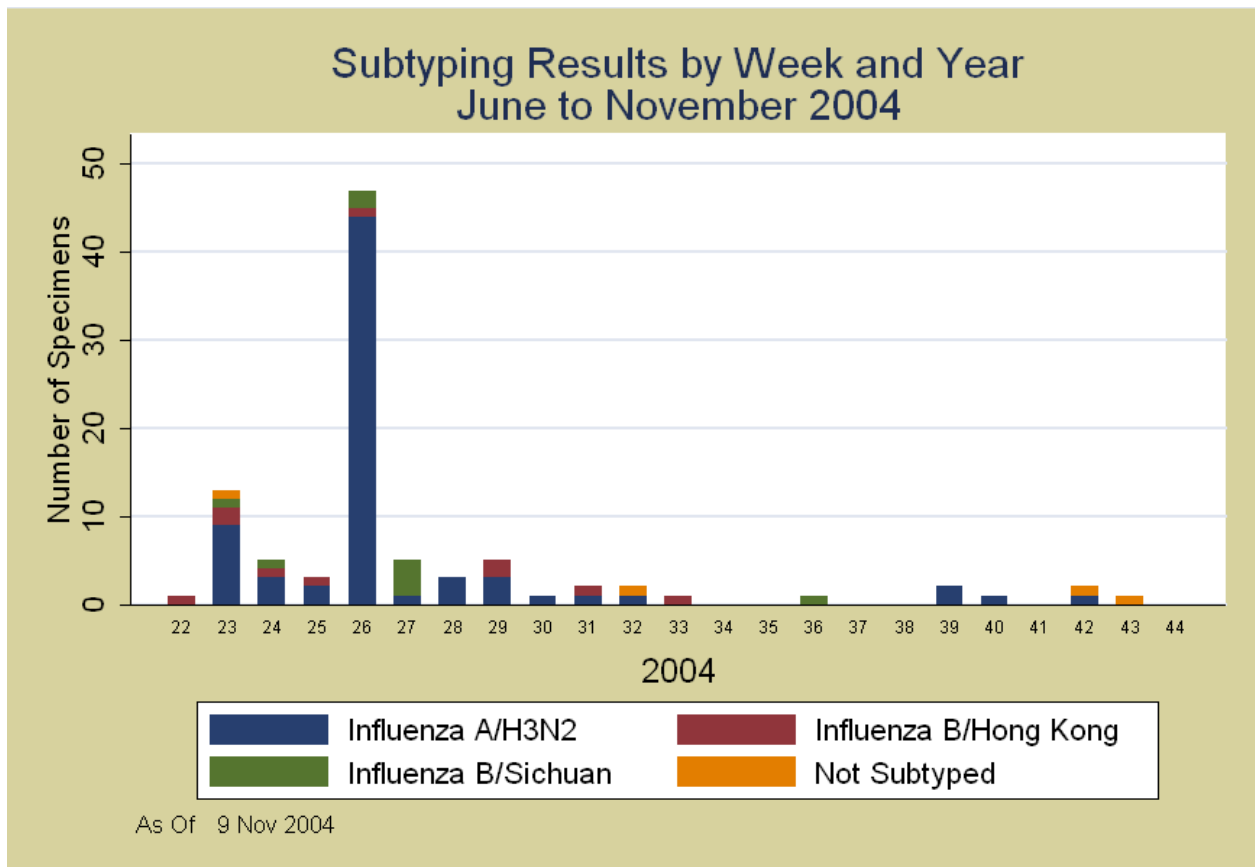
Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

## SUBTYPING:

Since **1 June 2004**, we have subtyped 91 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI). The following table and graph summarize overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

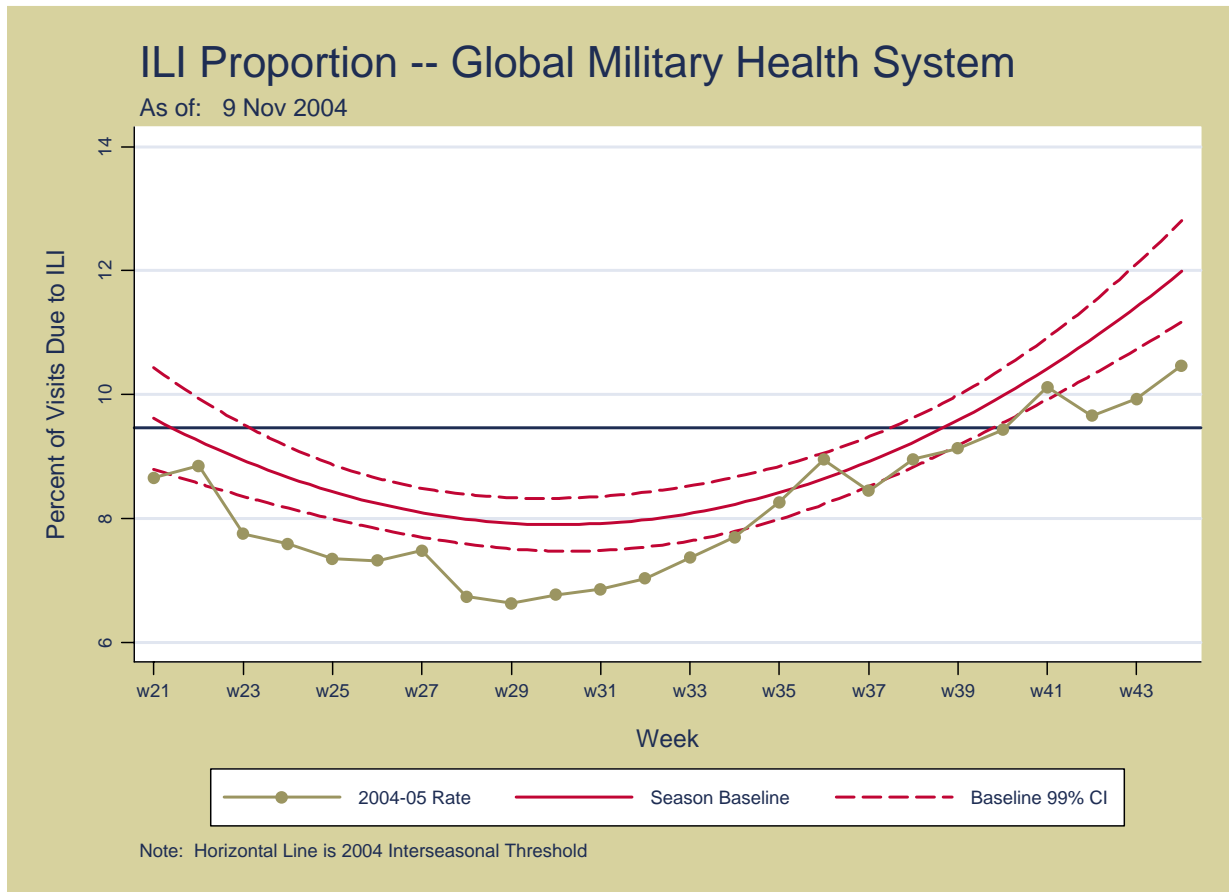
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

| Subtype Result                | Cumulative Total |
|-------------------------------|------------------|
| Influenza A/H3N2              | 72               |
| Influenza A (subtype pending) | 2                |
| Influenza B/Sichuan-like      | 9                |
| Influenza B/Hong Kong         | 10               |
| Influenza B (subtype pending) | 2                |



## INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code for Influenza-Like Illness. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILIChartsform.cfm>

## NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 43 (the latest report available), CDC reported a low level of influenza activity in the United States. Laboratory surveillance identified 15 specimens (1.4%) positive for influenza. Of these, 2 were influenza A (H3N2), 10 were influenza A (not subtyped), and 3 were influenza B. New York reported regional activity, Texas reported local activity, 26 states reported sporadic influenza activity, and 20 states had no activity.

## INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 44**

*South America:* Brazil reported sporadic activity.

*Asia:* China and Australia reported sporadic activity.

*Europe:* Ukraine reported sporadic activity.

North America: Currently no activity.

Africa: Currently no activity.

#### ADDITIONAL INFORMATION:

- **Avian Influenza Update:** As of 29 October, WHO had no further reports of human cases on their website.

Please direct any questions or comments to: [influenza@brooks.af.mil](mailto:influenza@brooks.af.mil)

#### DEMOGRAPHIC SUMMARY:

Table 1. Influenza Isolates by Sentinel Site

| # POSITIVES SUBMITTED<br>BY SENTINEL SITES | New Isolates |          | Cumulative (since 1<br>June 2004) |           |
|--|--------------|----------|-----------------------------------|-----------|
|  | A            | B        | A                                 | B         |
| Al Udeid AB, Qatar                         | 0            | 0        | 0                                 | 0         |
| Andersen AFB, Guam                         | 0            | 0        | 1                                 | 0         |
| Andrews AFB, MD                            | 0            | 0        | 0                                 | 0         |
| Aviano AB, Italy                           | 0            | 0        | 0                                 | 0         |
| Bremerton NS, WA                           | 0            | 0        | 0                                 | 0         |
| CGS Ketchikan, AK                          | 0            | 0        | 0                                 | 0         |
| Elmendorf AFB, AK                          | 0            | 0        | 1                                 | 0         |
| McGuire AFB, NJ                            | 0            | 0        | 0                                 | 0         |
| Ganci AB, Kyrg                             | 0            | 0        | 0                                 | 0         |
| Incirlik AB, Turkey                        | 0            | 0        | 0                                 | 0         |
| Kadena AB, Japan                           | 0            | 0        | 0                                 | 0         |
| Kunsan AB, Korea                           | 0            | 0        | 0                                 | 0         |
| RAF Lakenheath, UK                         | 0            | 0        | 0                                 | 0         |
| Landstuhl RMC, Germany                     | 0            | 0        | 0                                 | 0         |
| Maxwell AFB, AL                            | 0            | 0        | 0                                 | 0         |
| Misawa AB, Japan                           | 0            | 0        | 0                                 | 0         |
| NAB Little Creek, VA                       | 0            | 0        | 0                                 | 0         |
| NS Pearl Harbor/Hickam, HI                 | 0            | 0        | 0                                 | 0         |
| NH Yokosuka, Japan                         | 0            | 0        | 0                                 | 0         |
| NMC San Diego, CA                          | 0            | 0        | 0                                 | 0         |
| Osan AB, Korea                             | 0            | 0        | 0                                 | 0         |
| Ramstein AB, Germany                       | 0            | 0        | 0                                 | 0         |
| Scott AFB, IL                              | 0            | 0        | 0                                 | 0         |
| Sheppard AFB, TX                           | 0            | 0        | 0                                 | 0         |
| Travis AFB, CA                             | 0            | 0        | 0                                 | 0         |
| Tripler AMC, HI                            | 0            | 0        | 2                                 | 13        |
| US Air Force Academy, CO                   | 0            | 0        | 0                                 | 0         |
| Yokota AB, Japan                           | 0            | 0        | 0                                 | 0         |
| <b>TOTALS for SENTINEL<br/>SITES</b>       | <b>0</b>     | <b>0</b> | <b>4</b>                          | <b>13</b> |

**Table 2. Influenza Isolates by Overseas Labs**

| # POSITIVES SUBMITTED BY OVERSEAS LABS | A        | B        | A         | B        |
|--|----------|----------|-----------|----------|
| AFRIMS, Thailand                       | 0        | 0        | 10        | 0        |
| AFRIMS, Nepal                          | 0        | 0        | 42        | 0        |
| NMRC-D, Peru                           | 0        | 0        | 16        | 8        |
| NMRC-D, Nicaragua                      | 0        | 0        | 0         | 0        |
| <b>TOTALS for OVERSEAS LABS</b>        | <b>0</b> | <b>0</b> | <b>68</b> | <b>8</b> |

**Table 3. Respiratory specimens received**

| Location      | Total # of Specimens Received |             |
|---------------|-------------------------------|-------------|
|               | Current Week                  | Cumulative* |
| ALL SITES     | 11                            | 797         |
| NORTH AMERICA | 9                             | 353         |
| PACOM         | 1                             | 149         |
| EUCOM         | 0                             | 8           |
| CENTCOM       | 1                             | 1           |
| SOUTH AMERICA | 0                             | 286         |

+Comments: \*Received since 1 June 2004.

**Table 4. Summary of Results of Recently Processed Specimens**

| Location      | Results of Specimens Processed during current week* |             |             |            |       |
|---------------|---|-------------|-------------|------------|-------|
|               | Negative  | Influenza A | Influenza B | Adenovirus | Other |
| ALL SITES     | 57  | 3           | 0           | 6          | 5**   |
| NORTH AMERICA | 41  | 0           | 0           | 4          | 4     |
| PACOM         | 6   | 3           | 0           | 1          | 1     |
| EUCOM         | 6   | 0           | 0           | 0          | 0     |
| CENTCOM       | 1   | 0           | 0           | 0          | 0     |
| SOUTH AMERICA | 3   | 0           | 0           | 1          | 0     |

Comments: \* specimens were **received** in months of August through November

\*\* 2 parainfluenza, 3 enterovirus

## DEMOGRAPHIC GRAPHS :

